

ABSTRACT

An illumination system has a light source that is at least partially enclosed within a light-recycling envelope. The light source is a light-emitting diode that emits light, and a fraction of that light will exit the light-recycling envelope through an aperture. The light-recycling envelope recycles part of the light emitted by the light source back to the light source in order to enhance the output radiance of the light exiting the illumination system.